



Personal Statement

Tsinghua University Zijing College - Global Talents in Science and Engineering Program

Applicant	Roberto Ocaviantyo Tahta Laksmana
Academic Background	Diploma Tiga (D3) in Management Informatics, Universitas Gunadarma GPA/IPK 3.89/4.00
Target University	Tsinghua University, China
Target Program	Zijing College - Global Talents in Science and Engineering Program
Target Degree	Bachelor of Engineering in Interdisciplinary Engineering
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Memorable Academic Direction

Management Informatics foundation -> Tsinghua Zijing College Information Stream / Computer Science
-> AI-oriented software engineering, data-driven systems, and responsible technology leadership -> contribution to Indonesia, China, and global communities.

Introduction and Academic Background

My name is Roberto Ocaviantyo Tahta Laksmana, and I am applying to Tsinghua University Zijing College because I want to develop into an AI-oriented computer science and software engineering professional. My academic foundation began in Management Informatics at Universitas Gunadarma, where I completed a Diploma Tiga program with a GPA of 3.89/4.00. This background taught me that computing is not only about writing code, but also about understanding systems, users, data, workflows, and the real problems technology should solve.

Why Tsinghua Zijing College

Zijing College is meaningful for my goals because it offers an English-taught engineering environment that emphasizes global readiness, interdisciplinary collaboration, AI fundamentals, design thinking, and practical education. The Global Talents in Science and Engineering Program and the Information Stream / Computer Science direction match my preparation and long-term plan because they connect rigorous engineering education with international perspectives and technology that can create social value.

Academic Preparation

My interest in Computer Science grew through programming, databases, web development, data analysis, IT support, and applied AI. I have worked to strengthen foundations in algorithms, data structures, database management systems, programming principles, graph theory, system design, and software implementation. I also prepared through Tsinghua-related learning evidence in Data Structures and Algorithms and Learn English, together with certificates, coding assessments, and project-based learning.



Study and Project Direction

At Tsinghua, I hope to deepen my understanding of algorithms, systems, artificial intelligence, software engineering, data-driven computing, and research-oriented problem solving. My project interests include IT helpdesk and asset inventory systems, incident monitoring dashboards, network subnet troubleshooting tools, modern URL shorteners, Android device policy simulations, and AI-assisted support workflows. These projects reflect my belief that computer science should improve reliability, clarity, decision-making, and user experience.

Future Goals and Contribution

My long-term goal is to become an AI Developer, AI Solution Architect, and eventually a technology leader who can design intelligent systems responsibly. I want to support organizations, public services, education, and communities by making information systems more accessible, secure, and effective. Studying at Tsinghua would help me develop stronger technical skills, international collaboration ability, and the maturity needed to apply technology wisely.

Conclusion

Tsinghua University Zijing College is my ideal destination because it connects academic rigor, global engineering education, AI-oriented learning, interdisciplinary thinking, and social responsibility. I hope to study in the Information Stream / Computer Science direction so that I can build the knowledge, discipline, and vision required to become a responsible technology professional who contributes positively to Indonesia, China, and the wider global community.

Indonesia, 25 May 2026

Roberto Ocaviantyo Tahta Laksana
Applicant

